

GL-II - Modules

Description	U max [V]	I max [A]	dT max at 27 °C [K]	Q max at 27 °C [W]	dT max at 50 °C [K]	Q max at 50 °C [W]	Length [mm]	Width [mm]	Height [mm]	Sealing	Lead wire	Tmax cable °C	Order number
FPH1-3102NC	3,8	2,0	70,0	4,4	77,0	5,0	15	15	4,7	Silicon	PVC	105	On request
FPH1-7102NC	8,8	2,0	70,0	10,2	77,0	11,2	20	20	4,7	Silicon	PVC	105	On request
FPH1-12702AC	15,7	2,0	70,0	18,2	77,0	19,5	30	30	4,75	Silicon	PVC	105	On request
FPH1-3103NC	3,8	3,0	70,0	7,3	77,0	8,0	15	15	3,8	Silicon	PVC	105	On request
FPH1-4903NC	6,0	3,0	70,0	10,3	77,0	11,3	20	20	3,9	Silicon	PVC	105	On request
FPH1-7103NC	8,8	3,0	70,0	16,6	77,0	18,0	20	20	3,8	Silicon	PVC	105	On request
FPH1-7103T3 (replaced TEC1-7103)	8,6	3,5	70,0	16,0	77,0	17,8	30	30	4,7	Silicon	PVC	105	On request
FPH1-12703AC	15,7	3,0	70,0	29,8	77,0	32,5	30	30	3,85	Silicon	PVC	105	On request
FPH1-3104NC	3,8	3,9	70,0	8,6	77,0	9,5	15	15	3,6	Silicon	PVC	105	On request
FPH1-7104NC	8,8	3,9	70,0	18,7	77,0	20,9	20	20	3,6	Silicon	PVC	105	On request
FPH1-7104T7 (replaced TEC1-7104)	8,6	4,0	70,0	19,6	77,0	21,6	30	30	4,6	Silicon	PVC	105	On request
FPH1-12704AC	15,7	3,9	70,0	35,2	77,0	39,0	30	30	3,65	Silicon	PVC	105	On request
FPH1-7105T3 (replaced TEC1-7105)	8,6	5,0	70,0	23,0	77,0	25,7	30	30	4,00	Silicon	PVC	105	On request
FPH1-12705T8 with PVC wire & epoxy sealed	15,4	5,0	70,0	41,0	77,0	45,8	40	40	4,0	Epoxy	PVC	105	3847
FPH1-12705T9 (TEC1-12705AC) (replaced FPH1-12705AC)	15,4	5,0	70,0	41,0	77,0	45,8	40	40	4,0	Silicon	PVC	105	3897
FPH1-3106NC	3,8	6,0	70,0	13,0	77,0	14,3	15	15	3,1	Silicon	PVC	105	On request
FPH1-7106NC	8,8	6,0	70,0	29,7	77,0	32,7	20	20	3,1	Silicon	PVC	105	On request
FPH1-12706AC	15,7	6,0	70,0	53,1	77,0	59,1	30	30	3,15	Silicon	PVC	105	On request
FPH1-1707NC	2,1	6,0	70,0	7,4	77,0	8,2	15	15	3,9	Silicon	PVC	105	On request
FPH1-3107NC	3,8	6,0	70,0	13,6	77,0	14,9	20	20	3,9	Silicon	PVC	105	On request
FPH1-7107AC	8,8	6,0	70,0	31,1	77,0	34,2	30	30	3,95	Silicon	PVC	105	On request
FPH1-7107T4 (replaced TEC1-7107)	8,6	7,0	68,0	31,0	77,0	34,6	30	30	3,7	Silicon	PVC	105	On request
FPH1-12707AC	15,7	6,0	70,0	55,6	77,0	61,0	40	40	3,95	Silicon	PVC	105	On request
FPH1-19107S1	23,6	6,0	70,0	80,2	77,0	88,2	40,0/60,0	40,0/60,0	3,95	Silicon	PVC	105	On request
FPH1-1708NC	2,1	8,5	70,0	10,3	77,0	11,3	15	15	3,4	Silicon	PVC	105	On request
FPH1-3108NC	3,8	8,5	70,0	18,8	77,0	20,8	20	20	3,4	Silicon	PVC	105	On request
FPH1-6308T1 (replaced FPH1-6308NC)	7,6	8,5	68,0	37,4	75,0	41,8	40	20	3,6	Silicon	PVC	105	On request
FPH1-7108AC	8,8	8,5	70,0	43,1	77,0	48,0	30	30	3,45	Silicon	PVC	105	On request
FPH1-12708AC	15,7	8,5	70,0	77,1	77,0	85,0	40	40	3,45	Silicon	PVC	105	On request
FPH1-12708TD-1 (FPH1-12708AC) (replaced TEC1-12708)	15,7	8,5	70,0	77,1	77,0	85,0	40	40	3,45	Silicon	PVC	105	3033
FPH1-5310TD	6,4	10,0	70,0	37,0	77,0	40,0	15	40	3,6	Silicon	PVC	105	4028
FPH1-12710AC	15,4	10,5	68,0	93,0	75,0	102,0	40	40	3,3	Silicon	PVC	105	On request
FPH1-12712AC	15,4	12,5	68,0	110,0	75,0	121,0	40	40	3,7	Silicon	PVC	105	On request
FPH1-12715AC	15,4	15,0	68,0	130,0	75,0	145,0	50	50	4,15	Silicon	PVC	105	On request
FPH1-3102TD (FPH1-3102NC) (replaced TEC1-3102)	3,8	2,0	70,0	4,4	77,0	5,0	15	15	4,7	Silicon	Silicon	200	3696
FPH1-7102TD (FPH1-7102NC) (replaced TEC1-7102)	8,8	2,0	70,0	10,2	77,0	11,2	20	20	4,7	Silicon	Silicon	200	3047
FPH1-12702TD (FPH1-12702AC) (replaced TEC1-12702)	15,7	2,0	70,0	18,2	77,0	19,5	30	30	4,75	Silicon	Silicon	200	3515
FPH1-3103TD (FPH1-3103NC) (replaced TEC1-3103)	3,8	3,0	70,0	7,3	77,0	8,0	15	15	3,8	Silicon	Silicon	200	3441
FPH1-7103TD (FPH1-7103NC) (replaced TEC1-7103)	8,8	3,0	70,0	16,6	77,0	18,0	20	20	3,8	Silicon	Silicon	200	3484
FPH1-12703TD (FPH1-12703AC) (replaced TEC1-12703)	15,7	3,0	70,0	29,8	77,0	32,5	30	30	3,85	Silicon	Silicon	200	309
FPH1-12703TD-1 (FPH1-12703S7) (replaced TEC1-12703)	15,4	3,5	70,0	29,0	77,0	32,0	40	40	4,65	Silicon	Silicon	200	3871
FPH1-3104TD (FPH1-3104NC) (replaced TEC1-3104)	3,8	3,9	70,0	8,6	77,0	9,5	15	15	3,6	Silicon	Silicon	200	3872
FPH1-7104TD (FPH1-7104NC) (replaced TEC1-7104)	8,8	3,9	70,0	18,7	77,0	20,9	20	20	3,6	Silicon	Silicon	200	3873
FPH1-12704TD (FPH1-12704AC) (replaced TEC1-12704)	15,7	3,9	70,0	35,2	77,0	39,0	30	30	3,65	Silicon	Silicon	200	3026
FPH1-12704TD-1 (FPH1-12704S7) (replaced TEC1-12704)	15,4	4,0	70,0	32,0	77,0	35,2	40	40	4,6	Silicon	Silicon	200	3875
FPH1-3106TD (FPH1-3106NC) (replaced TEC1-3106)	3,8	6,0	70,0	13,0	77,0	14,3	15	15	3,1	Silicon	Silicon	200	3331
FPH1-7106TD (FPH1-7106NC) (replaced TEC1-7106)	8,8	6,0	70,0	29,7	77,0	32,7	20	20	3,1	Silicon	Silicon	200	3327
FPH1-12706TD (FPH1-12706AC) (replaced TEC1-12706)	15,7	6,0	70,0	53,1	77,0	59,1	30	30	3,15	Silicon	Silicon	200	3027
FPH1-1707TD (FPH1-1707NC) (replaced TEC1-1706)	2,1	6,0	70,0	7,4	77,0	8,2	15	15	3,9	Silicon	Silicon	200	3876
FPH1-3107TD (FPH1-3107NC) (replaced TEC1-3106)	3,8	6,0	70,0	13,6	77,0	14,9	20	20	3,9	Silicon	Silicon	200	3877
FPH1-7107TD (FPH1-7107AC) (replaced TEC1-7106)	8,8	6,0	70,0	31,1	77,0	34,2	30	30	3,95	Silicon	Silicon	200	3878
FPH1-12707TD (FPH1-12707AC) (replaced TEC1-12706)	15,7	6,0	70,0	55,6	77,0	61,0	40	40	3,95	Silicon	Silicon	200	3846
FPH1-12707TD-1 (FPH1-12707AC) (replaced TEC1-12706)	15,7	6,0	70,0	55,6	77,0	61,0	40	40	3,95	Silicon	Silicon	200	3032
FPH1-12707TD-2 (FPH1-12707AC) (replaced TEC1-12706)	15,7	6,0	70,0	55,6	77,0	61,0	40	40	3,95	Silicon	Silicon	200	4029
FPH1-1708TD (FPH1-1708NC) (replaced TEC1-1708)	2,1	8,5	70,0	10,3	77,0	11,3	15	15	3,4	Silicon	Silicon	200	3879
FPH1-3108TD (FPH1-3108NC) (replaced TEC1-3108)	3,8	8,5	70,0	18,8	77,0	20,8	20	20	3,4	Silicon	Silicon	200	3079
FPH1-7108TD (FPH1-7108AC) (replaced TEC1-7108)	8,8	8,5	70,0	43,1	77,0	48,0	30	30	3,45	Silicon	Silicon	200	3880
FPH1-12708TD (FPH1-12708AC) (replaced TEC1-12708)	15,7	8,5	70,0	77,1	77,0	85,0	40	40	3,45	Silicon	Silicon	200	3865
FPH1-12710TD (FPH1-12710AC) (replaced TEC1-12710)	15,4	10,5	68,0	93,0	75,0	102,0	40	40	3,3	Silicon	Silicon	200	3882
FPH1-12712TD (FPH1-12712AC) (replaced TEC1-12712)	15,4	12,5	68,0	110,0	75,0	121,0	40	40	3,7	Silicon	Silicon	200	3848
FPH1-12715TD (FPH1-12715AC) (replaced TEC1-12715)	15,4	15,0	68,0	130,0	75,0	145,0	50	50	4,15	Silicon	Silicon	200	3883

GL-II-Modules - 2 - Stage

Description	U max [V]	I max [A]	dT max at 27 °C [K]	Q max at 27 °C [W]	dT max at 50 °C [K]	Q max at 50 °C [W]	Length [mm]	Width [mm]	Height [mm]	Sealing	Lead wire	Tmax cable °C	Order number
FPK2-15828NC	15,7	2,8	95,0	8,7	105,0	9,6	15*15	30*30	7,2	Silicon	PVC	105	3029
FPK2-19808NC (replaced TEC2-19808)	16,1	8,5	85,0	51,6	95,0	58,0	40	40	7,05	Silicon	PVC	105	3030

GL-II-Modules - Miniature

Description	U max [V]	I max [A]	dT max at 27 °C [K]	Q max at 27 °C [W]	dT max at 50 °C [K]	Q max at 50 °C [W]	Length [mm]	Width [mm]	Height [mm]	Sealing	Lead wire	Tmax cable °C	Order number
FPM1-1203T1	1,5	3,0	68,0	2,5	75,0	2,7	Diameter 10		2,5	Silicon	PVC	80	3995
FPM1-9035T1	1,0	3,5	68,0	2,2	75,0	2,4	Diameter 10		2,5	Silicon	PVC	80	3824
FPM1-31008NC (replaced FPM1-31008S3)	3,8	0,8	68,0	1,6	75,0	1,8	8,0	8,0	3,0	Silicon	PVC	80	3315
FPM1-71008NC	8,8	0,8	68,0	3,7	75,0	4,2	10,0	10,0	3,0	Silicon	PVC	80	4057

Standard-Modules

Description	U max [V]	I max [A]	dT max at 27 °C [K]	Q max at 27 °C [W]	Length [mm]	Width [mm]	Height [mm]	Sealing	Lead wire	Tmax cable °C	Order number
TEC1-1703	2,1	3,5	68,0	3,9	15	15	4,7	Silicon	PVC	105	3909
TEC1-3103	3,8	3,5	68,0	7,0	20	20	4,7	Silicon	PVC	105	3905
TEC1-3503	4,2	3,5	68,0	7,9	30	15	4,7	Silicon	PVC	105	297
TEC1-12703	15,4	3,5	68,0	29,0	40	40	4,7	Silicon	PVC	105	On request
TEC1-1704	2,1	4,0	68,0	4,2	15	15	4,7	Silicon	PVC	105	On request
TEC1-3104	3,8	4,0	68,0	7,5	20	20	4,7	Silicon	PVC	105	3906
TEC1-3504	4,2	4,0	68,0	8,4	30	15	4,7	Silicon	PVC	105	3889
TEC1-12704	15,4	4,0	68,0	32,0	40	40	4,7	Silicon	PVC	105	210
TEC1-1705	2,1	5,0	68,0	5,5	15	15	4,05	Silicon	PVC	105	3911
TEC1-3105	3,8	5,0	68,0	10,0	20	20	4,05	Silicon	PVC	105	3907
TEC1-3505	4,2	5,0	68,0	11,0	30	15	4,05	Silicon	PVC	105	3901
TEC1-12705AC	15,4	5,0	68,0	41,0	40	40	4,05	Silicon	PVC	105	3897
TEC1-1706	2,1	6,0	68,0	7,1	15	15	4,05	Silicon	PVC	105	On request
TEC1-3106	3,8	6,0	68,0	13,0	20	20	4,05	Silicon	PVC	105	On request
TEC1-3506	4,2	6,0	68,0	14,5	30	15	4,05	Silicon	PVC	105	3902
TEC1-7106	8,6	6,0	68,0	29,0	30	30	4,05	Silicon	PVC	105	On request
TEC1-12706	15,4	6,0	68,0	53,0	40	40	4,05	Silicon	PVC	105	8
TEC1-1707	2,1	7,0	68,0	7,5	15	15	3,8	Silicon	PVC	105	3912
TEC1-3107	3,8	7,0	68,0	13,6	20	20	3,8	Silicon	PVC	105	3908
TEC1-3507	4,2	7,0	68,0	15,4	30	15	3,8	Silicon	PVC	105	3903
TEC1-7107	8,6	7,0	68,0	31,0	30	30	3,8	Silicon	PVC	105	3900
TEC1-12707	15,4	7,0	68,0	55,0	40	40	3,8	Silicon	PVC	105	3874
TEC1-1708	2,1	8,5	68,0	10,0	15	15	3,6	Silicon	PVC	105	On request
TEC1-3108	3,8	8,5	68,0	18,0	20	20	3,6	Silicon	PVC	105	709
TEC1-3508	4,2	8,5	68,0	20,0	30	15	3,6	Silicon	PVC	105	3904
TEC1-7108	8,6	8,5	68,0	42,0	30	30	3,6	Silicon	PVC	105	711
TEC1-12708	15,4	8,5	68,0	75,0	40	40	3,6	Silicon	PVC	105	708
TEC1-12712	15,4	12,0	68,0	110,0	40	40	3,8	Silicon	PVC	105	677
TEC1-12715	15,4	15,0	68,0	130,0	50	50	3,75	Silicon	PVC	105	715
TEC1-6308	7,6	8,5	68,0	37,4	40	20	3,6	Silicon	PVC	105	On request
TEC1-19906	24,1	6,0	70,0	83,5	40	40	4,1	Silicon	PVC	105	3881
TEC1-19908	24,1	8,5	68,0	118,0	40	40	3,6	Silicon	PVC	105	714
TEC1-19913	24,1	13,0	68,0	200,0	50	50	3,5	Silicon	PVC	105	3885
TES1-3102	3,8	2,0	66,0	3,7	15	15	4,8	Silicon	PVC	105	On request
TES1-7102	8,6	2,0	66,0	8,5	20	20	4,8	Silicon	PVC	105	717
TES1-12702	15,4	2,0	66,0	15,2	30	30	4,8	Silicon	PVC	105	718
TES1-3103	3,8	3,0	66,0	6,5	15	15	4,0	Silicon	PVC	105	719
TES1-7103	8,6	3,0	66,0	15,0	20	20	4,0	Silicon	PVC	105	720
TES1-12703	15,4	3,0	66,0	27,0	30	30	4,0	Silicon	PVC	105	On request
TES1-3104	3,8	4,0	66,0	8,1	15	15	3,8	Silicon	PVC	105	On request
TES1-7104	8,6	4,0	66,0	18,7	20	20	3,8	Silicon	PVC	105	721
TES1-12704	15,4	4,0	66,0	33,4	30	30	3,8	Silicon	PVC	105	251
TES1-5105	6,1	5,0	68,0	17,8	Diameter 26		3,9	Silicon	PVC	105	3913
TES1-3106	3,8	6,0	66,0	12,2	15	15	3,3	Silicon	PVC	105	722
TES1-7106	8,6	6,0	66,0	27,9	20	20	3,3	Silicon	PVC	105	851
TES1-12706	15,4	6,0	66,0	50,5	30	30	3,3	Silicon	PVC	105	724