

MOSFET Modules

HiPerFET and Polar MOSFET Technology

- low $R_{DS(on)}$
- fast body diode
- rugged

Suffix „F“ = HiPerFET™ Technology with Fast Intrinsic Diode



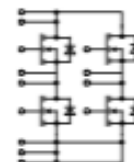
Part Type	V_{DS}	I_{DS}	I_{DES}	$R_{DS(on)}$ typ.	t_r	t_f	R_{thJC}	Fig. No.	Package style Outline drawings on pages O-31...O-52
○ Not for new design		$T_C = 25^\circ\text{C}$	$T_C = 80^\circ\text{C}$	$T_J = 25^\circ\text{C}$					
➤ New	V	A	A	mΩ	ns	ns	K/W		
Single Switch Modules									
○ VMO 550-01F	100	590	contact factory					X128d	
○ VMO 650-01F		690						X128d	
○ VMO 1200-01F		1245	930	1.35	200	500	0.039	X130d	
○ VMO 580-02F	200	580	contact factory					X130d	



Part Type	V_{DS}	I_{DS}	$R_{DS(on)}$ typ.	t_r	t_f	R_{thJC}	Config	Fig. No.	Package style Outline drawings on pages O-31...O-52
➤ New	V	A	mΩ	ns	ns	K/W			
MOSFET Modules – Phase Leg Configuration									
VMM 90-09F	900	85	65	76	140	0.08	Phase Leg	X130e	

CoolMOS™ MOSFET Technology

* CoolMOS is a trademark of Infineon Technologies



Part Type	V_{DS}	I_{DS}	I_{DES}	$R_{DS(on)}$ typ.	t_r	t_f	R_{thJC}	Fig. No.	Package style Outline drawings on pages O-31...O-52
◇ Under development		$T_C = 25^\circ\text{C}$	$T_C = 90^\circ\text{C}$	$T_J = 25^\circ\text{C}$					
➤ New	V	A	A	mΩ	ns	ns	K/W		
MOSFET Modules – H Bridge Configuration									
VKM 40-06P1	600	38		70	10	95	0.45	X102	