



PROTON-ELECTROTEX
POWER SEMICONDUCTOR DEVICES

HIGH CURRENT WELDING DIODES



Application:
Medium frequency
welding equipment

Features:

- High maximum operation temperature
- Enhanced current performance
- Low on-state and switching losses
- Low thermal resistance
- Improved high-load cycle capability

Technical characteristics

Part Number	Design	V_{RRM}	I_{RRM}	$I_{FAV}(T_c)$	I_{FSM} (T_{jmax} , 10 ms)	$V_{F(TO)}$	r_T	T_{jmax}	R_{thjc}	\varnothing max/ \varnothing contact/ height
		V	mA	A (°C)	kA	V	mOhm	°C	°C/W	mm
D053-7100-4	Disc case	400	50	7100 (85)	55	0,70	0,029	170	0,0100	59,5/44,4/8,5
D063-11500-4		400	50	11 500 (94)	85	0,74	0,018	180	0,0060	76/57/8
D056-9500-4	Housingless	400	50	9 500 (97)	70	0,80	0,026	180	0,0062	56/50/5
D066-12500-4		400	50	12 500 (104)	85	0,74	0,018	180	0,0047	65/58/5

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