

FDRP25S60L(600V, 25A)

FUJI Diode

Ultra-FRD Series

■ Maximum Rating and Characteristics

● Maximum Ratings (at T_a=25°C unless otherwise specified.)

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Item	Symbol	Conditions	Ratings	Units		
Repetitive peak reverse voltage	V _{RRM}	_	600	V		
Average forward current	IFAV	50Hz Square wave duty =1/2 T _c = 86°C	25	А		
Non-repetitive forward surge current	IFSM	Sine wave, 10ms 1shot	125	Α		
Operating junction temperature	T _i	_	+150	°C		
Storage temperature	T _{stg}	_	-40~+150	°C		

● Electrical Characteristics (at Ta=25°C unless otherwise specified.)

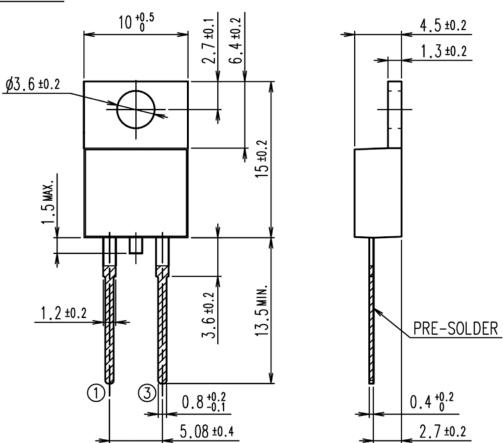
Item	Symbol	Conditions	Maximum	Units
Forward voltage	VF	I _F = 25A	2.6	V
Reverse current	IR	$V_R = V_{RRM}$	250	μA
Reverse recovery time	trr	V _R =30V,I _F = 2.5A -di/dt=200A/us	0.033	μs
Thermal resistance	R _{th(j-c)}	Junction to case	1.2	°C/W

Mechanical Characteristics

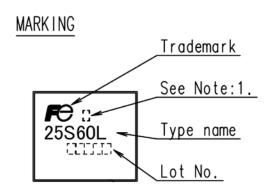
Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.3~0.5	N·m
Approximate mass	_	2.0	g

■ Outline Drawings, mm TO-220





DIMENSIONS ARE IN MILLIMETERS.



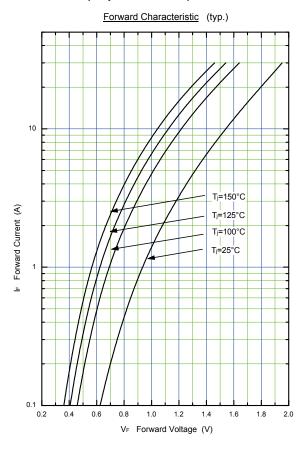
CONNECTION

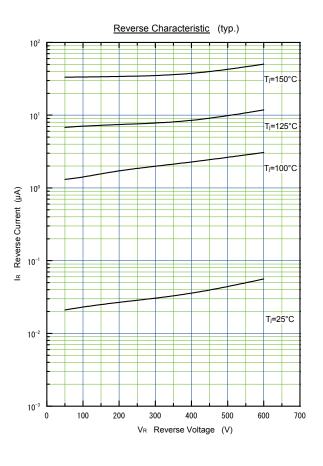


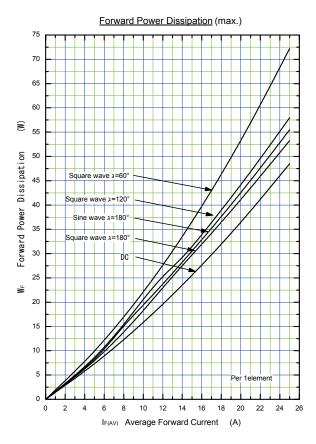
Note:1.
Country of origin mark.

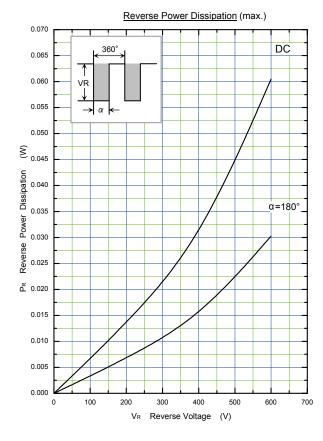
『P』 is Made in PHILIPPINES.

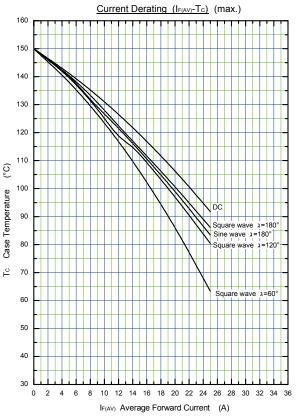
■ Characteristics (Representative)

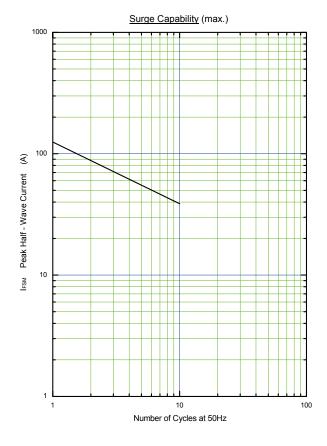


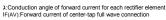




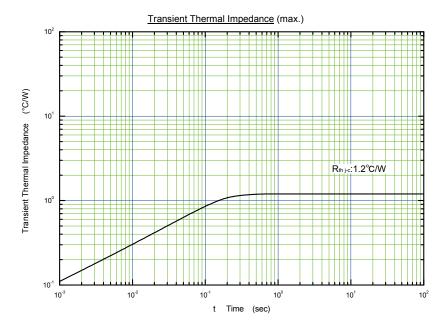












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- Measurement equipment

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