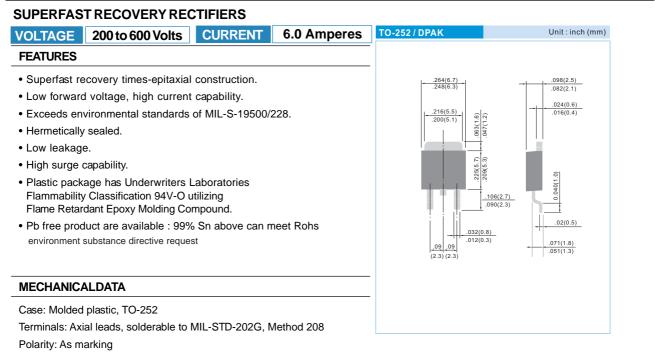




DATA SHEET

ED502S~ED506S



Weight: 0.015 ounces, 0.4grams.

MAXUMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load. 60Hz.

PARAMETER	SYMBOL	ED502S	ED503S	ED504S	ED506S	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	200	300	400	600	V
Maximum RMS Voltage	V _{RMS}	140	210	280	420	V
Maximum DC Blocking Voltage	V _{DC}	200	300	400	600	V
Maximum Average Forward Current .375" (9.5mm) lead length at Tc = 75° C	lav	5.0				A
Peak Forward Surge Current :8.3ms single half sine-wave superimposed on rated load(JEDEC method)	I _{FSM}	75				A
Maximum Forward Voltage at 3.0A (Note 1)	VF	0.95	1.25		1.7	V
Maximum DC Reverse Current at TA=25 ^o C at Rated DC Blocking Voltage TA = 100 ^o C	I _R	5.0 50				μΑ
Maximum Reverse Recovery Time (Note 2)	Tr	35				nS
Maximum thermal Resistance (Note 3)	R _{ejc}	9.0				°C/W
Operating Junction and Storage Temperature Range	T_{J}, T_{STG}	- 50 to + 150				°C

NOTES:

1. Pulse Test with PW=300 usec, 2% Duty Cycle.

2. Reverse Recovery Tset Conditions:I_F=0.5A,I_R=1.0A,Irr=0.25A

3. Mounted on P.C. Board with 14mm2 (.013mm thick) copper pad areas.



RATING AND CHARACTERISTIC CURVES

