

Maximum Ratings and Thermal Characteristics (T_A = 25 °C unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNITS		
Maximum Repetitive Peak Reverse Voltage		Vrrm	100	V	
Maximum RMS Voltage		V _{RMS}	70	V	
Maximum DC Blocking Voltage		VDC	100	V	
Maximum Average Forward Current	per device		40	•	
	per diode	lf(AV)	20	A	
Peak Forward Surge Current : 8.3 ms Single Half Sine-			010	^	
Wave Superimposed On Rated Load Per Diode		IFSM	210	A	
Typical Junction Capacitance			4.400	- 5	
Measured at 1 MHZ And Applied $V_R = 4 V$		CJ	1400	pF	
Typical Thermal Resistance ^(Note 1)		Rejc	2		
		R _{0JL}	2	°C/W	
Operating Junction Temperature Range		TJ	-55~150	°C	
Storage Temperature Range		T _{STG}	-55~150	٥C	



Electrical Characteristics (T_A = 25 °C unless otherwise noted)

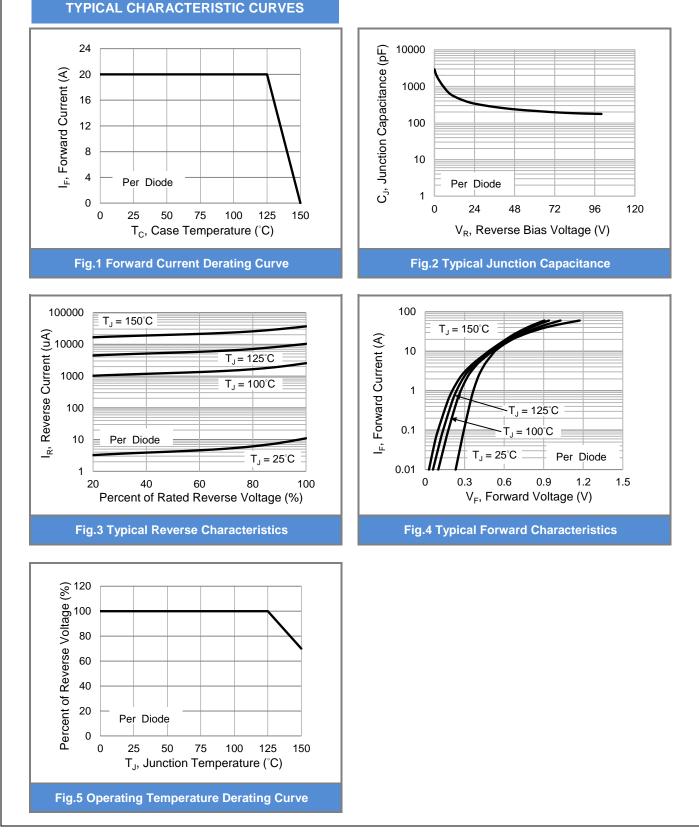
PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Forward Voltage Per Diode	VF	I _F = 1 A, T _J = 25 °C	-	0.37	-	V
		I _F = 10 A, T _J = 25 °C	-	0.53	-	
		I _F = 20 A, T _J = 25 °C	-	-	0.72	
		I⊧ = 1 A, TJ = 125 °C	-	0.24	-	
		I _F = 10 A, T _J = 125 ℃	-	0.5	-	
		I _F = 20 A, T _J = 125 °C	-	0.64	-	
Reverse Current Per Diode ^(Note 2)	IR	V _R = 80 V, T _J = 25 °C	-	7	-	uA
		V _R = 100 V, T _J = 25 °C	-	-	100	
		V _R = 100V,T _J = 125 °C	-	11	-	mA

NOTES :

- 1. Device mounted on a infinite heatsink.
- 2. Short duration pulse test used to minimize self-heating effect.



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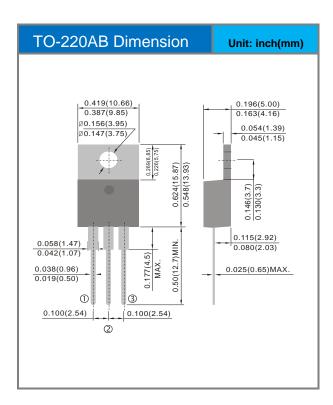
STR40100LCT



Part No. Packing Code Version

Part No. Packing Code	Package Type	Packing Type	Marking	Version
STR40100LCT_T0_00001	TO-220AB	50pcs / Tube	STR40100LCT	Halogen free RoHS compliant

Packaging Information





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