

SCHOTTKY BARRIER DUAL DIODE

DESCRIPTION:

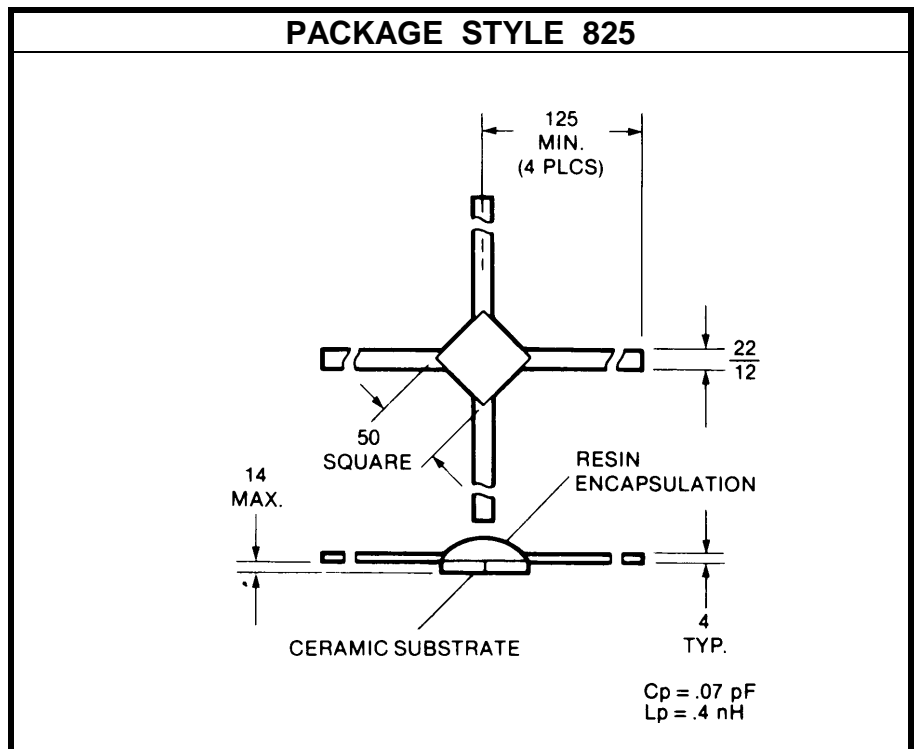
The **5082-2279** is a Low Barrier Schottky Barrier Dual Diode Designed for Single Balanced Mixer, Phase Detector and Modulator Applications up to 12 GHz.

FEATURES INCLUDE:

- Low Barrier
- Excellent Matching
- Small size

MAXIMUM RATINGS

I_F	100 mA
P_{DISS}	75 mW @ $T_C = 25^\circ C$ per Junction
T_J	$-65^\circ C$ to $+175^\circ C$
T_{STG}	$-65^\circ C$ to $+175^\circ C$
T_{SOLDER}	$+235^\circ C$ for 10 seconds


CHARACTERISTICS $T_C = 25^\circ C$

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
V_F	$I_F = 1 \text{ mA}$			260	300	340	mV
$V_{F\Delta}$	$I_F = 1 \text{ mA}$					20	mV
V_{BR}	$I_R = 10 \mu A$			2			V
C_T	$V_R = 0 \text{ V}$	Diagonal	$f = 1.0 \text{ MHz}$			0.25	pF
C_T	$V_R = 0 \text{ V}$	Adjacent	$f = 1.0 \text{ MHz}$			0.34	pF
$C_{T\Delta}$	$V_R = 0 \text{ V}$					0.05	pF
R_D	$I_F = 5.0 \text{ mA}$					16	Ω