

SCHOTTKY BARRIER DUAL DIODE

DESCRIPTION:

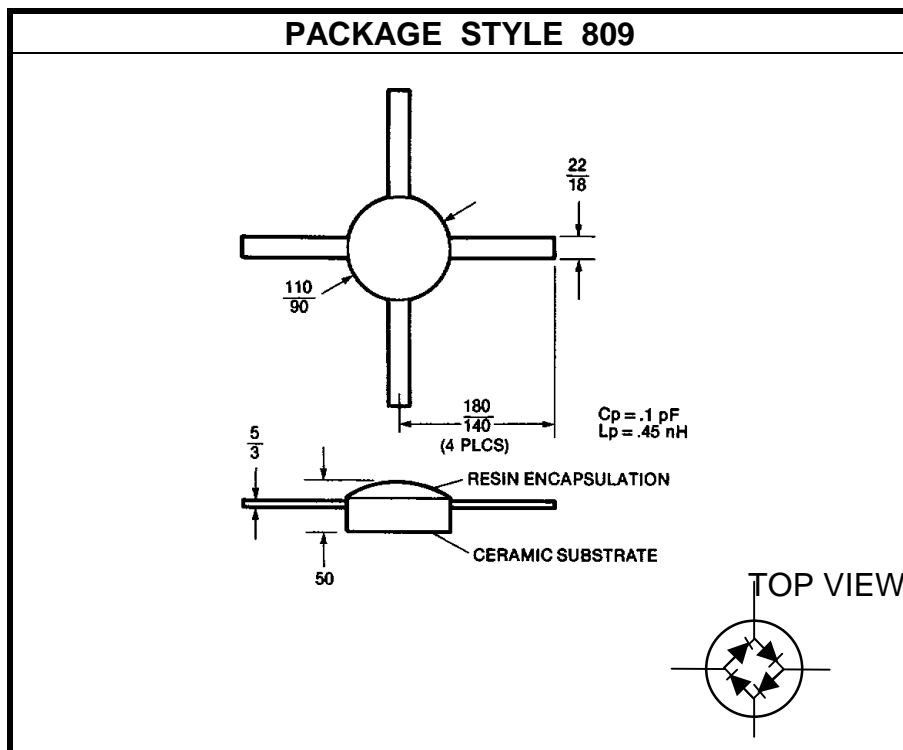
The **ASI 5082-2277** is a medium Barrier Schottky Dual Diode Designed for Single Balanced Mixer, Phase Detector and Modulator Applications from 2.4 to 4.8 GHz.

FEATURES INCLUDE:

- Medium Barrier
- Excellent Matching
- Rugged design

MAXIMUM RATINGS

I_F	100 mA
P_{DISS}	75 mW @ $T_C = 25^\circ\text{C}$ per Junction
T_J	-65°C to $+125^\circ\text{C}$
T_{STG}	-65°C to $+175^\circ\text{C}$
T_{SOLDER}	$+220^\circ\text{C}$ for 10 seconds



CHARACTERISTICS $T_C = 25^\circ\text{C}$

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
V_F	$I_F = 1\text{ mA}$					350	mV
ΔV_F	$I_R = 5.0\text{ mA}$					20	mV
C_T	$V_R = 0\text{ V}$	Diagonal	$f = 1.0\text{ MHz}$			0.50	pF
		Adjacent				0.67	
ΔC_T	$V_R = 0$		$f = 1.0\text{ MHz}$			0.10	pF
R_D	$I_F = 5.0\text{ mA}$					15	Ω