

# Silicon Schottky Diodes

High performance and high reliability RF and microwave Schottky diodes for your demanding mixer and detector applications



**New 0201 Surface Mount Silicon — for Mixer Detectors Through K Band**

.50 x .25 x .30 mm.

Part Number	$V_B @ 10 \mu A$ (V)	$C_T @ 0.15 V$ (pF)	$C_T @ 0 V$ (pF)	$V_F @ 1.0 mA$ (mV)	$R_S$ ( $\Omega$ )	$V_R @ 0 V$ ( $\Omega$ )
	Min.	Typ.	Max.	Min.–Max.	Max.	Min.–Max.
<b>SMS7630-093</b> Zero bias, detector applications	1	0.3	–	135–240	–	3000–7000
<b>SMS7621-096</b> Low barrier, sensitive detector and mixer circuits	2	–	0.18	260–320	12	–

**Beam-Lead, Epoxy and Hermetic Packaged — Single, N-Type, Low, Medium, High Drive**

Frequency Band	$C_J$ 0 V, 1 MHz (pF)		$R_S$ 5 mA ( $\Omega$ )	$V_B$ 10 $\mu A$ (V)	$V_F$ 1 mA (mV)		Drive Level	Part Number (-XXX)	Beam Lead (-000)	Epoxy Package		Hermetic Package (-220)
	Min.	Max.	Max.	Min.	Min.	Max.				(-250)	(-230)	
S	0.30	0.50	5	2	200	260	Low	<b>DMF2820</b>	•	•		•
				3	300	400	Med	<b>DME2127</b>	•	•		•
				4	500	600	High	<b>DMJ2823</b>	•	•		•
X	0.15	0.30	8	2	250	310	Low	<b>DMF2821</b>	•	•		•
				3	325	425	Med	<b>DME2957</b>	•	•		•
				4	550	650	High	<b>DMJ2777</b>	•	•		•
KU	0.05	0.15	13	2	260	330	Low	<b>DMF2344</b>	•	•	•	•
				3	350	450	Med	<b>DME2333</b>	•	•	•	•
				4	500	680	High	<b>DMJ2824</b>	•	•	•	•
K	–	0.10	18	2	270	350	Low	<b>DMF2822</b>	•		•	•
				3	375	550	Med	<b>DME2458</b>	•		•	•
				4	600	700	High	<b>DMJ2825</b>	•		•	•



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