

SMALL-SIGNAL MOSFET N-CHANNEL & P-CHANNEL

TSC is offering high power density on the small footprint of low-current small-signal MOSFET for switching applications. That includes industrial favorites like the SOT-23, SOT-323 and SOT-363 packages for both N-Channel and P-Channel portfolios.



SOT-323



SOT-363



SOT-23

KEY FEATURES:

- Low $R_{DS(ON)}$ to minimize conductive losses
- Low Q_g for Fast Power Switching
- Logic level
- RoHS Compliant
- Halogen-Free (IEC 61249-2-21)

APPLICATION:

- Low side load switching
- Level shift circuits
- General switch circuits

KEY PERFORMANCE

PART NUMBER	TYPE	ESD (HBM) [kV]	BV_{DSS} [V]	V_{GS} ±[V]	$R_{DS(ON)}$ (MAX.)		Q_g (TYP.) @4.5V [nC]	$V_{GS(TH)}$		PACKAGE
					@10V	@4.5V		MIN.	MAX.	
					[Ω]	[Ω]	[V]	[V]		
TSM2N7002KCU	N	2.5	60	20	2.5	3	0.91	1	2.5	SOT-323
TSM2N7002KDCU6	Dual N	2.5	60	20	2.5	3	0.91	1	2.5	SOT-363
BSS138	N	-	50	20	2.5	3	1	0.8	1.6	SOT-23
BSS123W	N	-	100	20	5	5.5	1.1	1	2.5	SOT-323
BSS84	P	-	-60	20	8	10	1	-0.9	-2	SOT-23
BSS84W	P	-	-60	20	8	10	1	-0.9	-2	SOT-323

For pricing and more information, please contact TSC sales or authorized distributors.