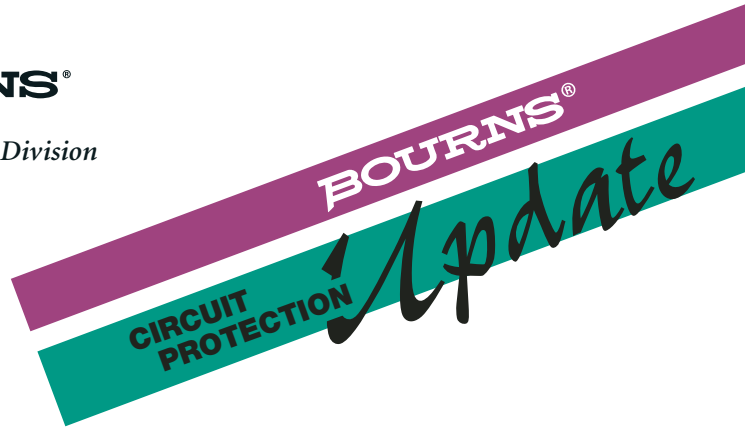




Circuit Protection Division

May, 2005

Bourns Manufacturers Representatives
 Corporate Distributor Product Managers
 Americas Sales Team
 Asia Sales Team
 Europe Sales Team



Bourns® TSP Product Line Announces Availability of Lead Free and RoHS Compliant Products

All catalog products are now available with lead free package terminations and RoHS compliance. Through 2Q05, products may be ordered with lead free or existing termination finishes. All orders placed after July 31st, 2005 should be for lead free products only. Orders should include the lead free suffix, “-S” or “S”, in the part number.

Surface Mount Packages

Existing Part No	Package	Lead Free	RoHS Compliant	Lead Free Product Part Number Suffix -S or S
TISP Products				
TISP4xxxL1AJR	SMA	Yes	Yes	TISP4xxxL1AJR-S
TISP4xxxL3AJR	SMA	Yes	Yes	TISP4xxxL3AJR-S
TISP4xxxM3AJR	SMA	Yes	Yes	TISP4xxxM3AJR-S
TISP43xxMMAJR	SMA	Yes	Yes	TISP43xxMMAJR-S
TISP4xxxL1BJR	SMB	Yes	Yes	TISP4xxxL1BJR-S
TISP4xxxL3BJR	SMB	Yes	Yes	TISP4xxxL3BJR-S
TISP4xxxM3BJR	SMB	Yes	Yes	TISP4xxxM3BJR-S
TISP43xxMMBJR	SMB	Yes	Yes	TISP43xxMMBJR-S
TISP4xxxH1BJR	SMB	Yes	Yes	TISP4xxxH1BJR-S
TISP4xxxH3BJR	SMB	Yes	Yes	TISP4xxxH3BJR-S
TISP4xxxH4BJR	SMB	Yes	Yes	TISP4xxxH4BJR-S
TISP4AxxxH3BJR	SMB	Yes	Yes	TISP4AxxxH3BJRS
TISP4CxxxH3BJR	SMB	Yes	Yes	TISP4CxxxH3BJRS
TISP5xxxH3BJR	SMB	Yes	Yes	TISP5xxxH3BJR-S
TISP1xxxH3BJR	SMB3	Yes	Yes	TISP1xxxH3BJR-S
TISP3xxxT3BJR	SMB3	Yes	Yes	TISP3xxxT3BJR-S
TISP1xxxF3DR	8-SOIC	Yes	Yes	TISP1xxxF3DR-S
TISP3xxxF3DR	8-SOIC	Yes	Yes	TISP3xxxF3DR-S
TISP6xxxxxDR	8-SOIC	Yes	Yes	TISP6xxxxxDR-S
TISP6xxxxxSDR	8-SOIC	Yes	Yes	TISP6xxxxxSDR-S
TISP6NTP2xDR	8-SOIC	Yes	Yes	TISP6NTP2xDR-S
TISP7xxxF3DR	8-SOIC	Yes	Yes	TISP7xxxF3DR-S
TISP820xDR	8-SOIC	Yes	Yes	TISP820xDR-S
TISPPBLxDR	8-SOIC	Yes	Yes	TISPPBLxDR-S
TISP6xxxxHDMR	8-SOIC (210 mil)	Yes	Yes	TISP6xxxxHDMR-S
TISP9xxxLDMR	8-SOIC (210 mil)	Yes	Yes	TISP9xxxLDMR-S

Bourns® TSP Product Line Announces Availability of Lead Free and RoHS Compliant Products

May, 2005

Page 2 of 3

Through-Hole Packages

Existing Part No	Package	Lead Free	RoHS Compliant	Lead Free Product Part Number Suffix -S or S
TISP Products				
TISP4xxxF3LM	DO-92	Yes	Yes	TISP4xxxF3LM-S
TISP4xxxF3LMR	DO-92	Yes	Yes	TISP4xxxF3LMR-S
TISP4xxxF3LMFR	DO-92	Yes	Yes	TISP4xxxF3LMFRS
TISP4xxxM3LM	DO-92	Yes	Yes	TISP4xxxM3LM-S
TISP4xxxM3LMR	DO-92	Yes	Yes	TISP4xxxM3LMR-S
TISP4xxxM3LMFR	DO-92	Yes	Yes	TISP4xxxM3LMFRS
TISP4xxxH3LM	DO-92	Yes	Yes	TISP4xxxH3LM-S
TISP4xxxH3LMR	DO-92	Yes	Yes	TISP4xxxH3LMR-S
TISP4xxxH3LMFR	DO-92	Yes	Yes	TISP4xxxH3LMFRS
TISP1xxxF3P	PDIP	Yes	Yes	TISP1xxxF3P-S
TISP3xxxF3P	PDIP	Yes	Yes	TISP3xxxF3P-S
TISP7xxxF3P	PDIP	Yes	Yes	TISP7xxxF3P-S
TISP1xxxF3SL	SIP	Yes	Yes	TISP1xxxF3SL-S
TISP3xxxF3SL	SIP	Yes	Yes	TISP3xxxF3SL-S
TISP3xxxH3SL	SIP	Yes	Yes	TISP3xxxH3SL-S
TISP7xxxF3SL	SIP	Yes	Yes	TISP7xxxF3SL-S
TISP7xxxH3SL	SIP	Yes	Yes	TISP7xxxH3SL-S
Transistors				
TIPxx	TO-220 or SOT-93	Yes	Yes	TIPxx-S
TIPxxx	TO-220 or SOT-93	Yes	Yes	TIPxxx-S
TIPPxx	TO-92	Yes	Yes	TIPPxx-S
TIPPxxx	TO-92	Yes	Yes	TIPPxxx-S
TIPLxxx	TO-220 or SOT-93	Yes	Yes	TIPLxxx-S
TIPLxxxx	TO-220 or SOT-93	Yes	Yes	TIPLxxxx-S
BDxxx	TO-220 or SOT-93	Yes	Yes	BDxxx-S
BDTxxx	TO-220	Yes	Yes	BDTxxx-S
BDVxxx	SOT-93	Yes	Yes	BDVxxx-S
BDWxxx	TO-220 or SOT-93	Yes	Yes	BDWxxx-S
BDXxxx	TO-220	Yes	Yes	BDXxxx-S
BUxxx	TO-220 or SOT-93	Yes	Yes	BUxxx-S
BUTxx	TO-220	Yes	Yes	BUTxx-S
BUVxx	SOT-93	Yes	Yes	BUVxx-S
BUXxx	TO-220	Yes	Yes	BUXxx-S
SCRs and Triacs				
TIC1xx	TO-220	Yes	Yes	TIC1xx-S
TICP1xx	TO-92	Yes	Yes	TICP1xx-S
TIC2xx	TO-220 or SOT-93	Yes	Yes	TIC2xx-S
TICP2xx	TO-92	Yes	Yes	TICP2xx-S
Lighting Products				
BULxxx	TO-220	Yes	Yes	BULxxx-S
BULDxxxx	TO-220	Yes	Yes	BULDxxxx-S
Y1112	TO-220	Yes	Yes	Y1112-S
Y1112L	SOT-82	Yes	Yes	Y1112L-S