

MPSA42, MPSA43

MPSA42 is a Preferred Device

High Voltage Transistors

NPN Silicon



ON Semiconductor™

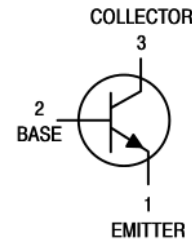
<http://onsemi.com>

MAXIMUM RATINGS

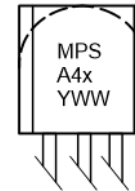
Rating	Symbol	Value	Unit
Collector–Emitter Voltage	V _{CEO}	200	Vdc
		MPSA43 MPSA42	
Collector–Base Voltage	V _{CBO}	200	Vdc
		MPSA43 MPSA42	
Emitter–Base Voltage	V _{EBO}	6.0	Vdc
Collector Current – Continuous	I _C	500	mAdc
Total Device Dissipation @ T _A = 25°C Derate above 25°C	P _D	625	mW
		5.0	
Total Device Dissipation @ T _C = 25°C Derate above 25°C	P _D	1.5	Watts
		12	
Operating and Storage Junction Temperature Range	T _J , T _{stg}	–55 to +150	°C

THERMAL CHARACTERISTICS

Characteristic	Symbol	Max	Unit
Thermal Resistance, Junction to Ambient	R _{θJA}	200	°C/mW
Thermal Resistance, Junction to Case	R _{θJC}	83.3	°C/mW



MARKING DIAGRAM



MPSA4x= Specific Device Code
 x = 2 or 3
 Y = Year
 W = Work Week

ORDERING INFORMATION

Device	Package	Shipping
MPSA42	TO-92	5000 Units/Box
MPSA42RLRA	TO-92	2000/Tape & Reel
MPSA42RLRE	TO-92	2000/Tape & Reel
MPSA42RLRF	TO-92	5000 Units/Box
MPSA42RLRM	TO-92	2000/Ammo Pack
MPSA42RLRP	TO-92	2000/Ammo Pack
MPSA43	TO-92	5000 Units/Box
MPSA43RLRA	TO-92	2000/Tape & Reel

Preferred devices are recommended choices for future use and best overall value.