



MIL-PRF COMPONENT OVERVIEW

CERAMIC | POLYMER TANTALUM | MnO_2 TANTALUM
WET MnO_2 TANTALUM | EMI FILTER | CRYSTAL OSCILLATOR



THE LEADER IN DEFENSE, AEROSPACE, AND OUTER SPACE COMPONENT TECHNOLOGIES

CERAMIC

Technology	Form Factor	Style	MIL-PRF	KYOCERA AVX Series	Material Set
MIL-PRF-123 SMD	SMD		M123/10	0805, 1206, 1210, 1808, 1812, 2225	PME
MIL-PRF-123 MR	Molded Radial	CKS	M123/01	MR	PME
MIL-PRF-123 MA	Molded Axial	CKS	M123/01	MA	PME
MIL-PRF-123 MD	2-Pin Dips	CKR/CKS	M123/01	MD	PME
MIL-PRF-32535 X7R	SMD X7R		MIL-PRF-32535 (T and M Level)	MIL-PRF-32535 X7R	BME
MIL-PRF-32535 NP0	SMD NP0		MIL-PRF-32535 (T and M Level)	MIL-PRF-32535 NP0	BME
Space BME -EM	SMD X7R & NP0		Engineering Module	-EM	BME
Space BME NASA	SMD		N/A	G311	BME
MIL-PRF-32535 Low Inductance	SMD	Coming soon	MIL-PRF-32535 T or M Level	L4L	BME
MIL-PRF-Stacks (BME)	SMD	Coming soon	Coming soon	N/A	BME
MIL-PRF-49470	SMD or Thru-Hole		MIL-PRF-49470	SM0, SM5, SM9	PME
CDR01-04	SMD	CDR01-04	MIL-PRF-55681/2 M, P, R, or S Level	CDR01-04	PME
CDR05	SMD	CDR05	MIL-PRF-55681/2 M, P, R, or S Level	CDR05	PME
CDR06	SMD	CDR06	MIL-PRF-55681/2 M, P, R, or S Level	CDR06	PME
CDR11-14 (RF/Microwave)	SMD	CDR11-14 (RF/Microwave)	MIL-PRF-55681/4 /5 M, P, R, or S Level	CDR11-14 (RF/Microwave)	PME
CDR31-35	SMD	CDR31-35	MIL-PRF-55681/7 M, P, R, or S Level	CDR31-35	PME
ESC ESA 3009	SMD		N/A	3009	PME
ESC ESA 3009034	SMD		N/A	3009034	PME
ESC ESA 3009041	SMD		N/A	3009041	BME
ESC ESA 3001/030	SMD & Thru-Hole		N/A	BR, CV, CH	PME
ESC ESA 3001/034	SMD & Thru-Hole		N/A	VR, CV, CH	PME
DLA 03028 & 03029	SMD		N/A	LD	PME
COTS+	SMD	APS	N/A	AP	BME
MIL-C-11015 Radial	Molded Radial	CK	MIL-C-11015	CK	PME
MIL-C-11015 Axial	Molded Axial	CK	MIL-C-11015	CK	PME
Mil-PRF-39014/01 MR	Molded Radial	CK/CKR	MIL-PRF-39014/01	MR	PME
Mil-PRF-39014/05 MA	Molded Axial	CK/CKR	MIL-PRF-39014/05	MA	PME
MIL-PRF-39014/22 MD	2-Pin Dips	CKR22	MIL-PRF-39014/22	Dipguard	PME

POLYMER TANTALUM

Technology	Form Factor	Style	MIL-PRF	KYOCERA AVX Series	Material Set
DLA 04051 COTS+	SMD		N/A	TCD	Polymer Tantalum
DLA 09009 Low ESR Module	SMD		N/A	TCP	Polymer Tantalum
ESCC 3012 006	SMD		N/A	TCS	Polymer Tantalum
MIL 32700/1, /2	SMD	63/75V Coming Soon, 100/125V In Development	N/A	TBD	Polymer Tantalum
TCH Hermetic Seal COTS+	SMD	Ceramic Case	N/A	TCH	Polymer Tantalum
TCB COTS+	SMD		N/A	TCB	Polymer Tantalum

MnO₂ TANTALUM

Technology	Form Factor	Style	MIL-PRF	KYOCERA AVX Series	Material Set
MIL-PRF-55365/4	SMD	CWR09	MIL-PRF-55365/4	TAZ	MnO ₂ Tantalum
MIL-PRF-55365/11	SMD	CWR19,29	MIL-PRF-55365/11	TAZ	MnO ₂ Tantalum
MIL-PRF-55385/8	SMD	CWR11	MIL-PRF-55385/8	TBJ	MnO ₂ Tantalum
DLA 07016 Extended Range	SMD	CWR11	N/A	TBJ	MnO ₂ Tantalum
DLA 95158	SMD	CWR11	N/A	TBJ	MnO ₂ Tantalum
MIL-PRF-55385/12	SMD	CWR15	MIL-PRF-55385/12	TBC	MnO ₂ Tantalum
TBC COTS+	SMD	TBC	N/A	TBC	MnO ₂ Tantalum
Ultra Low ESR Space Level	SMD	TBM	N/A	TBM	MnO ₂ Tantalum
Ultra Low ESR COTS+	SMD	TBM	N/A	TBM	MnO ₂ Tantalum
LEO Tantalum	SMD	Coming soon	N/A	N/A	MnO ₂ Tantalum
THH Hermetic Seal COTS+ 230°C	SMD	Ceramic Case	N/A	THH	MnO ₂ Tantalum
ESCC 3012 001	SMD		N/A	TAJ-ESA	MnO ₂ Tantalum
ESCC 3012 004	SMD		N/A	TES	MnO ₂ Tantalum
TAJ CECC 30801-011, 30801-005	SMD		N/A	TAJ	MnO ₂ Tantalum

WET MnO₂ TANTALUM

Technology	Form Factor	Style	MIL-PRF	KYOCERA AVX Series	Material Set
TWA COTS+	Thru-Hole		N/A	TWA, TWC	Wet MnO ₂ Tantalum
TWC COTS+	Thru-Hole		N/A	TWC	Wet MnO ₂ Tantalum
TWD High Temp Max Cap	Thru-Hole		N/A	TWD	Wet MnO ₂ Tantalum
TWA-Y COTS+ 200°C	Thru-Hole		N/A	TWA	Wet MnO ₂ Tantalum
TWA-X COTS+ 230°C	Thru-Hole		N/A	TWA	Wet MnO ₂ Tantalum
M39006/22 /25 /30 /31	Thru-Hole		M39006/22/25/30/31	TWC	Wet MnO ₂ Tantalum
M39006/33	Thru-Hole		M39006/33	TWA	Wet MnO ₂ Tantalum
DLA 93026	Thru-Hole		N/A	N/A	Wet MnO ₂ Tantalum
DLA 13017	Thru-Hole		N/A	TWS	Wet MnO ₂ Tantalum
TWM Module	Screw Terminal		N/A	TWM	Wet MnO ₂ Tantalum
TWM-Y Module	Screw Terminal		N/A	TWM-Y	Wet MnO ₂ Tantalum

EMI FILTER

Technology	Form Factor	Style	MIL-PRF	KYOCERA AVX Series	Material Set
MIL-PRF-28861/01/04/05/12	Solder-In		MIL-PRF-28861/01, /04, /05, /12	N/A	EMI Filter
DSCC 84083/84084	Cylindrical		N/A	N/A	EMI Filter

CRYSTAL OSCILLATOR

Technology	Form Factor	Style	MIL-PRF	KYOCERA AVX Series	Material Set
QPL/Military – MIL-PRF -3098			MIL-PRF-3098	N/A	Crystals