

IBS ELECTRONICS GROUP

COMPONENT DIVISION

CROSS REFERENCE CHEAT SHEET

A QUICK GUIDE FOR CROSSING TO VENKEL COMPONENTS



LEDS

Dialight
Everlight
Kingbright
Lite-On
Lumex
Osram
Panasonic
Rohm
SunLED

ALL OF THE ABOVE CROSS TO:

SINGLE COLOR - DOME LENS	CTLD
SINGLE COLOR - FLAT LENS	CTLF
SINGLE COLOR - RIGHT ANGLE	CTLR
MULTI COLOR - DOME LENS	MCLD
MULTI COLOR - FLAT LENS	MCLF
MULTI COLOR - RIGHT ANGLE	MCLR

INDUCTORS

GENERAL PURPOSE MULTILAYER

VENKEL	MLF
Bourns	MH
Samsung	CIL
Taiyo Yuden	BK
TDK	MMZ
Würth Electronics	WE-CB

LOW VALUE MULTILAYER

VENKEL	LMCI
AEM	MHI
API Delevan	C1608, C2012
Bourns	CI
Central Technologies	CTLL
Samsung	CIH

MOLDED WIREWOUND

VENKEL	NL
Bourns	CC453232
KOA	KL
Panasonic	ELJ
Taiyo Yuden	LEM

RF - THIN FILM

VENKEL	TFI
Murata	LQP

RF - WIREWOUND

VENKEL	MRFI
Abracon Corp.	AISC-0402
API Delevan Inc.	0805R
Coilcraft	CS
Murata	LQW
Pulse Electronics	0805CD

POWER INDUCTORS

SHIELDED - DRUM

VENKEL	DSPI
Central Tech	CT636, CT646

SHIELDED - FLAT MOLDED

VENKEL	FMPI
Coilcraft	XAL
NIC	NPIM
Pulse	PG
Vishay	IHPS
Würth	LMHI

SHIELDED - MULTILAYER

VENKEL	MLPI
Samsung	CIG
TDK	MLP

SHIELDED - SD

VENKEL	SDPI
Bourns	SRR
Coilcraft	MSS
Coiltronics	SD
Pulse	P1168
Sumida	CDRH

SHIELDED - SQUARE MINIATURE

VENKEL	SMPI
Murata	LQH
Taiyo Yuden	NR
TDK	SPM

SHIELDED - SQUARE

VENKEL	SSPI
Coilcraft	MSS
Pulse	PF

SHIELDED - HIGH POWER

VENKEL	SHPI
Bourns	SRR
Coilcraft	MSS
Coiltronics	DRQ
Sumida	CDRH

NON-SHIELDED - PD

VENKEL	PDPI
Coilcraft	DO
Central Tech	CTUP

NON-SHIELDED - PH

VENKEL	PHPI
Coilcraft	DO
Central Tech	CTDO
Murata	29L332C
Vishay	IDC

NON-SHIELDED - RECTANGULAR MINIATURE

VENKEL	RMPI
Coilcraft	ME
Murata	LQH
TDK	VLS

CURRENT SENSE RESISTOR

LOW VALUE

VENKEL	LCR
Bourns	CRL
IRC	LCR
KOA	SR73
NIC	NCST
Panasonic	ERJ
ROHM	UCR
Susumu	RLT
Stackpole (SEI)	CSR
Vishay	RCWE

METAL FOIL

VENKEL	CSMF
IRC/TT	LRC-LR also LR
Kamaya	RLC
KOA	UR73, SR73
Panasonic	ERJL
Rohm	PMR
Vishay	WSL
Walsin	WW
Yageo	PT

METAL STRIP

VENKEL	CSMS
IRC/TT	LRC-LR also LR
Kamaya	RLC
KOA	UR73, SR73
NIC	NCSS
Panasonic	ERJL
Rohm	PMR
SEI	CSRF
Vishay	WSL
Walsin	WW
Yageo	PT

ULTRA LOW VALUE

VENKEL	ULCR
Bourns	CRL
IRC/TT	LRC-LR also LR
Panasonic	ERJ
Rohm	UCR
Stackpole (SEI)	CSR
Susumu	RLT
Vishay	WSL

FERRITE BEADS

HIGH CURRENT MULTILAYER

VENKEL	FBC
Murata	BLM
Panasonic	EXC
Taiyo Yuden	BKH
TDK	MMZ
Samsung	CIC, CIS

GENERAL PURPOSE MULTILAYER

VENKEL	FBM
Murata	BLM
Panasonic	EXC
Taiyo Yuden	BKH
TDK	MMZ
Samsung	CIM, CIB

CERAMIC CAPACITORS

ARRAYS

VENKEL	CCA
AVX	W2A and W3A
Murata	GNM
Panasonic	ECJ-T
Taiyo Yuden	Capacitor Array
TDK	CKC

GENERAL PURPOSE

VENKEL	C
AVX	Ceramic Capacitors
Johanson Dielectrics	MLCC
KEMET	C
Murata	GRM
NIC	NMC
Panasonic	ECJ
Samsung	CL
Taiyo Yuden	M
TDK	C
Vishay	VJ
Yageo	CC
Walsin	General Purpose

INDUSTRIAL GRADE

VENKEL	IGC
AVX	Ceramic Capacitors
KEMET	C
Murata	GCJ, GCM
NIC	NMC-A

HIGH-Q LOW ESR

VENKEL	HLC
AVX	Hi-Q
Johanson	L
Murata	GQM
Samsung	CL
Taiyo Yuden	V
TDK	C

HIGH-Q

VENKEL	HQN
AVX	LD (U)
Johanson	L
Murata	GJM
Samsung	CL
TDK	C

HIGH VOLTAGE

VENKEL	HVC
AVX	Ceramic Capacitors
Kemet	C
Murata	GRM, GR4, GA3
Novacap	Commercial Capacitors
Samsung	CL
TDK	C

LOW INDUCTANCE

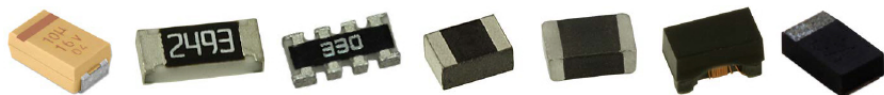
VENKEL	LIC
AVX	0204, 0306, 0508, 0612
Murata	LLL
Samsung	CL, LW
TAIYO Yuden	LWDC



VENKEL LTD.

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VENKEL LTD.

THICK FILM RESISTORS

ANTI-SULFURATION

VENKEL	CRS
Panasonic	ERJS
ROHM	TRR
Stackpole Electronics	RNCP
Yageo	AF

GENERAL PURPOSE THICK FILM

VENKEL	CR
KOA	RK73B
Panasonic	ERJ
Samsung	RC
Stackpole (SEI)	RMCF
Vishay/Dale	CRCW
Yageo	RC

GENERAL PURPOSE GREEN (ROHS 6/6)

VENKEL	CRG
NIC Components	NRCL
Vishay Droloric	RCG

HIGH POWER

VENKEL	HPCR
Stackpole	RMPC
Bourns	CRM
NIC	NRCW

HIGH VALUE

VENKEL	HMCR
IRC	HR
Kamaya	RHC
Vishay	RCHR
Yageo	RC

HIGH VOLTAGE

VENKEL	HVCR
KOA	HV73
ROHM	KTR
Stackpole (SEI)	HVC
Vishay	CRHV
Yageo	RV

PRECISION HIGH VALUE

VENKEL	PHCR
BREL	CHM, CHR
Susumu	RT

PULSE WITHSTANDING

VENKEL	PWCR
Riedon	PCR
Stackpole	RPC
Vishay	CRCW-HP
Yageo	TR

SURGE WITHSTANDING

VENKEL	SWCR
Panasonic	ERJ
Vishay	CRCW-HP

TRIMMABLE

VENKEL	TRCR
Kamaya	FCR
Vishay	TCT
Yageo	TR

RESISTOR ARRAYS

ARRAYS (NETWORKS)

VENKEL	CRN
AVX	CRB
Bourns	CAY
CTS	742
Kamaya	RAC
Panasonic	EXB
Samsung	RN, RP
Yageo	YC, TC

TANTALUM CAPACITORS

GENERAL PURPOSE

VENKEL	TCM
AVX	TAJ
Kemet	T491
Samsung	TCSCN
Sprague	293D, 593D

LOW ESR

VENKEL	TCR
AVX	TPS
Kemet	T491
Samsung	TCSCE
Sprague	293D, 593D

MINIATURE POLYMER

VENKEL	MPU
AVX	F38
Kemet	T529
Nichicon	F31, F38
Panasonic	TPU
Vishay Sprague	T58

MINIATURE SOLID

VENKEL	MSU
AVX	F98
Kemet	T491
Samsung	TCSCE
Sprague	293D, 593D

POLYMER

VENKEL	PCJ
AVX	TCJ
Kemet	T520, T591
Nichicon	F32
Vishay Sprague	T55

CHOKE COILS

COMMON MODE

VENKEL	CMCC
Murata	DLW31, DLW21
Murata	PLW3216, PLW2012

THERMISTORS

NTC TYPE

VENKEL	NTC
Murata	NCP
Panasonic	ERTJ
TDK	NTCG10, NTCG16, NTCG20

THIN FILM RESISTORS

ANTI-CORROSIVE

VENKEL	ACTF
NIC	NTRC
Stackpole (SEI)	RNCS
Vishay	MCS, MCT

HIGH POWER

VENKEL	HPTF
NIC	NTRH
Stackpole (SEI)	RNCP
IRC	PCF

PRECISION

VENKEL	TFCR
IRC	PCF
Kamaya	RNC
KOA	RN73
Panasonic	ERA
Stackpole (SEI)	RNCF
Susumu	RG
Thin Film Technology	RR
Vishay/Dale	TNPW
Yageo	RT

ULTRA PRECISION THIN FILM

VENKEL	UPTF
IRC	PCF
Kamaya	RNC
Panasonic	ERA
Stackpole (SEI)	RNC
Susumu	RG
Thin Film Technology	RR
Vishay/Dale	TNPW

WHY VENKEL?

- COMPLETE LINE OF SURFACE MOUNT PASSIVE COMPONENTS
- LEDS
- 30+ YEARS IN BUSINESS
- SELLS DIRECT
- FACTORY-DIRECT PRICING
- COMPREHENSIVE STOCKING SOLUTIONS
- IN-HOUSE ENGINEERING SUPPORT
- MINORITY BUSINESS ENTERPRISE (MBE)
- HEADQUARTERS IN AUSTIN, TEXAS