Y4505 ✔ ACTIVE

Y Series

TE Internal #: Y4505

Yagi Antenna, Single Band, UHF, External Mount, Pole/Mast /Bracket Mount, N-type, Directional, Single Port, 3 < 6 dBi Peak Gain, Y Series

View on TE.com >

Antennas



Communication Protocol: **UHF**

Mounting Location: **External**

Mounting Type: **Pole/Mast/Bracket Mount**

Frequency Category: **410 – 470**

Antenna Type: **Yagi**

Features

Product Type Features

Antenna Termination	N-type
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Yagi/Log Periodic
Mounting Location	External
Antenna Type	Yagi
Band Type	Single Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	< 2.0:1

Signal Characteristics

Frequency Band	450 – 470 MHz
Gain (Max)	3 dB
Frequency Category	410 – 470
Peak Gain	3 < 6 dBi

Mechanical Attachment

Mount Product Type	Pole/Mast
Polarization	Linear
Mounting Type	Pole/Mast/Bracket Mount

Operation/Application

Option	Connector Preinstalled
Antenna Environment	Outdoor
Wireless Standard	TETRA: 380 - 470 MHz
Directionality	Directional

Industry Standards

IP Rating	Not Tested
Communication Protocol	UHF
Primary Application	UHF

Product Availability

Applicable Region	Worldwide

Packaging Features

Packaging Method	Box

Other

Precision Level	Standard

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked.Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # LABH2400NN
SURGE,NN,0-4000MHZ



TE Part # LABH350NN
SURGE,BNN,0-1000MHZ



TE Part # LAIL350NN
SURGE,NN,0-1000MHZ INLINE

Also in the Series | Y Series



ISM, LPWAN & LoRaWAN Antennas(5)

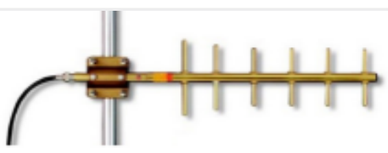


Outdoor Antennas(11)



Public Safety Antennas(11)

Customers Also Bought



TE Part #Y8966
YAGI,FWG,6,896-970MHz 16,9dBi



TE Part #Y4503
YAGI,FWG,3,450-470MHz



TE Part #PT86NB
CASSY, 58A, NM, BNCM



TE Part #Y1505
YAGI,GLD,5,150-174 MHz 9.2dBi



TE Part #MB8XM
MOUNT,BMM,3/4,8X,MUHFM STD, 17FT8X



TE Part #FG4505W
OMNI,FG,450-470MHZ,100W 460MHz, 7dBi



TE Part #FM2
MOUNT,HD,2.5 MAST



TE Part #FG4507
OMNI,FG,450-460MHZ,100W 455MHz, 9dBi



TE Part #PT40050NN
CASSY, A400, NM, NM CP, CP, 50ft N to N



TE Part #PT815NB
CASSY, 58A, NM, BNCM CP, CP, 15ft N to B

Documents

Datasheets & Catalog Pages

Y4505

English

Agency Approvals

UK Declaration of Conformity

English